



Adelaide Brighton Cement Ltd

an **ADBRI** company

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QUARTERLY NOISE MANAGEMENT REPORT FOR BIRKENHEAD WORKS

COMPLIANCE DATE: 15/11/2022– Quarter 3 2022
EPA Licence 1126: Noise Management Plan (U-787)

Licensed site: Adelaide Brighton Cement, Birkenhead Works

62 Elder Road, Birkenhead, SA 5015

Date of Submission: 15 November 2022

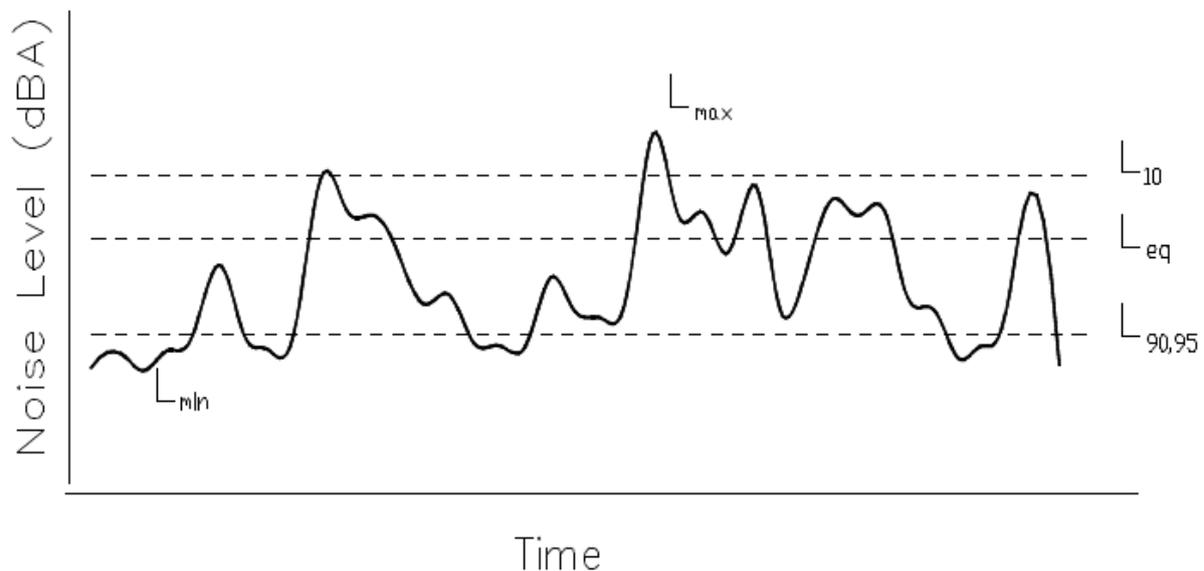
Version Number: 1



Report Submitted by: Advisor Environment - C&L (SA/NSW/NT)

Glossary of acoustic terminology

- dB(A)** A unit of measurement, decibels(A), of sound pressure level which has its frequency characteristics modified by a filter ("A-weighted") so as to more closely approximate the frequency response of the human ear.
- L₁** The noise level which is equalled or exceeded for 1% of the measurement period. L₁ is an indicator of the impulse noise level, and is used in Australia as the descriptor for intrusive noise (usually in dBA).
- L₁₀** The noise level which is equalled or exceeded for 10% of the measurement period. L₁₀ is an indicator of the mean maximum noise level, and is used in Australia as the descriptor for intrusive noise (usually in dBA).
- L₉₀** The noise level which is equalled or exceeded for 90% of the measurement period. L₉₀ is an indicator of the mean minimum noise level, and is used in Australia as the descriptor for background or ambient noise (usually in dBA).
- L_{eq}** The equivalent continuous noise level for the measurement period. L_{eq} is an indicator of the average noise level (usually in dBA).
- L_{max}** The maximum noise level for the measurement period (usually in dBA).



Note: *The subjective reaction or response to changes in noise levels can be summarised as follows:*

A 3 dB(A) increase in sound pressure level is required for the average human ear to notice a change; a 5 dB(A) increase is quite noticeable and a 10 dB(A) increase is typically perceived as a doubling in loudness

Monitoring Objective	<p>The quarterly report will include where applicable:</p> <ul style="list-style-type: none"> • Details of noise complaints (excluding complainant name and identifying address details for reasons of confidentiality), received during the quarter including the outcomes of the complaint investigation and where applicable, corrective actions implemented. • Details on the progress of noise attenuation projects including effectiveness. • Details of noise monitoring reports. • Details of noise minimisation activities. 												
Monitoring Plan	<p>This monitoring report complies with the Noise Management Plan approved on 16 August 2018 by the SA EPA.</p> <p>The Plan is available on the ABC Birkenhead Community Website: https://adelaidebrightoncommunity.com.au/</p>												
Noise Complaints Summary	<p>The table below summarises the noise complaints for the reporting period.</p> <table border="1" data-bbox="336 790 1522 1323"> <thead> <tr> <th data-bbox="336 790 501 891">Date and Time</th> <th data-bbox="501 790 683 891">Location</th> <th data-bbox="683 790 987 891">Description</th> <th data-bbox="987 790 1522 891">Action Taken</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 891 501 1077">01/07/2022 04:38</td> <td data-bbox="501 891 683 1077">Alfred Street Peterhead</td> <td data-bbox="683 891 987 1077">Complaint of major rumbling coming from the plant</td> <td data-bbox="987 891 1522 1077">Plant and neighbourhood investigation at the time did not identify any unusual noise in the plant or neighbourhood. Informed the resident about noise level assessments in the local community.</td> </tr> <tr> <td data-bbox="336 1077 501 1323">09/07/2022 03:00</td> <td data-bbox="501 1077 683 1323">Alfred Street Peterhead</td> <td data-bbox="683 1077 987 1323">Loud noise coming from machinery on site.</td> <td data-bbox="987 1077 1522 1323">Investigation at the time did not identify any unusual noise in the plant. ABC offered to place noise monitors on the resident's property to continuously measure noise levels over a couple of weeks as this may assist ABC in identifying the source of noise - resident declined.</td> </tr> </tbody> </table>	Date and Time	Location	Description	Action Taken	01/07/2022 04:38	Alfred Street Peterhead	Complaint of major rumbling coming from the plant	Plant and neighbourhood investigation at the time did not identify any unusual noise in the plant or neighbourhood. Informed the resident about noise level assessments in the local community.	09/07/2022 03:00	Alfred Street Peterhead	Loud noise coming from machinery on site.	Investigation at the time did not identify any unusual noise in the plant. ABC offered to place noise monitors on the resident's property to continuously measure noise levels over a couple of weeks as this may assist ABC in identifying the source of noise - resident declined.
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Noise Monitoring Reports	No noise monitoring undertaken in this reporting period												
Noise Minimisation Activities	No noise minimisation activities in this reporting period												